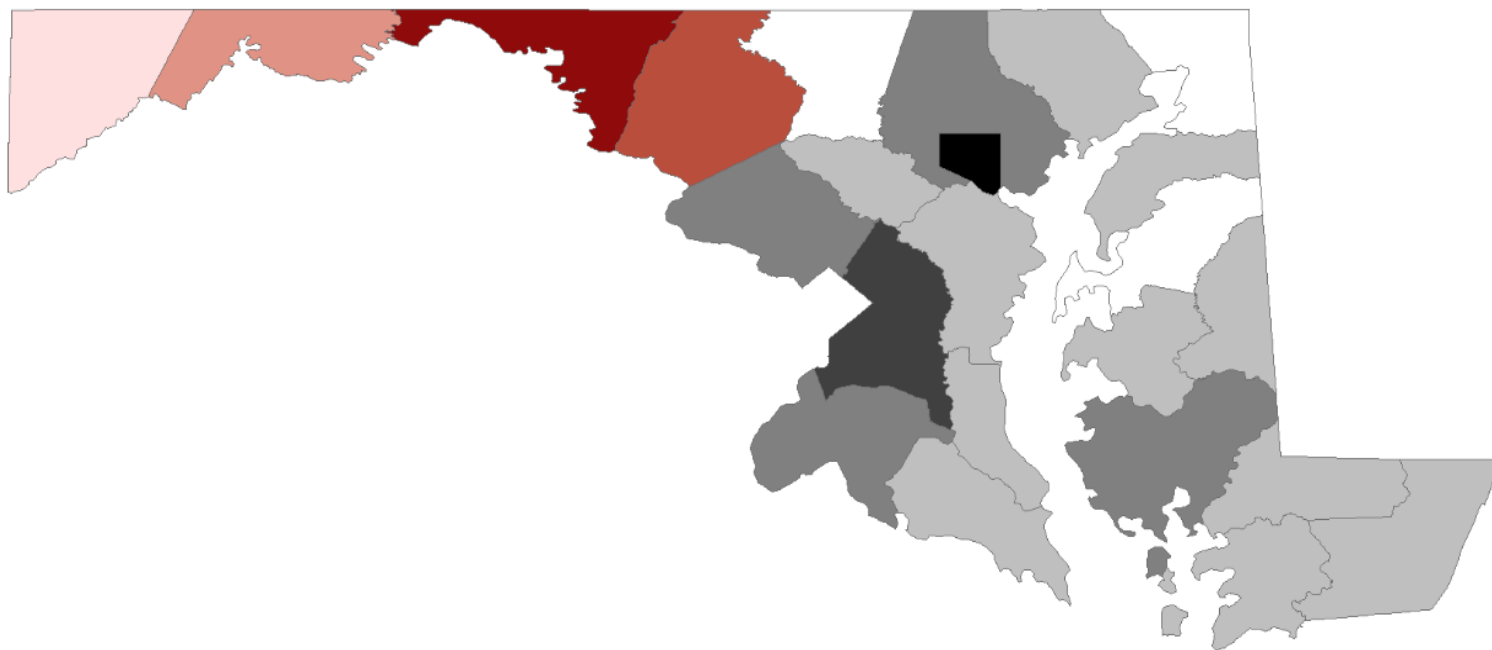


2014



Western Region HIV Annual Epidemiological Profile

Data reported through December 31, 2015

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmdh.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 12.8% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 18.7% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one-year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 2014 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2014-12/31/2014, as reported by name through 12/31/2015.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2015 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 12/31/2015.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), December 31, 2015.

Population data by sex, age, and race/ethnicity are from the July 1, 2014 U.S. Census Estimates and by country-of-birth from the 2013 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

MSM (Men who have Sex with Men): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

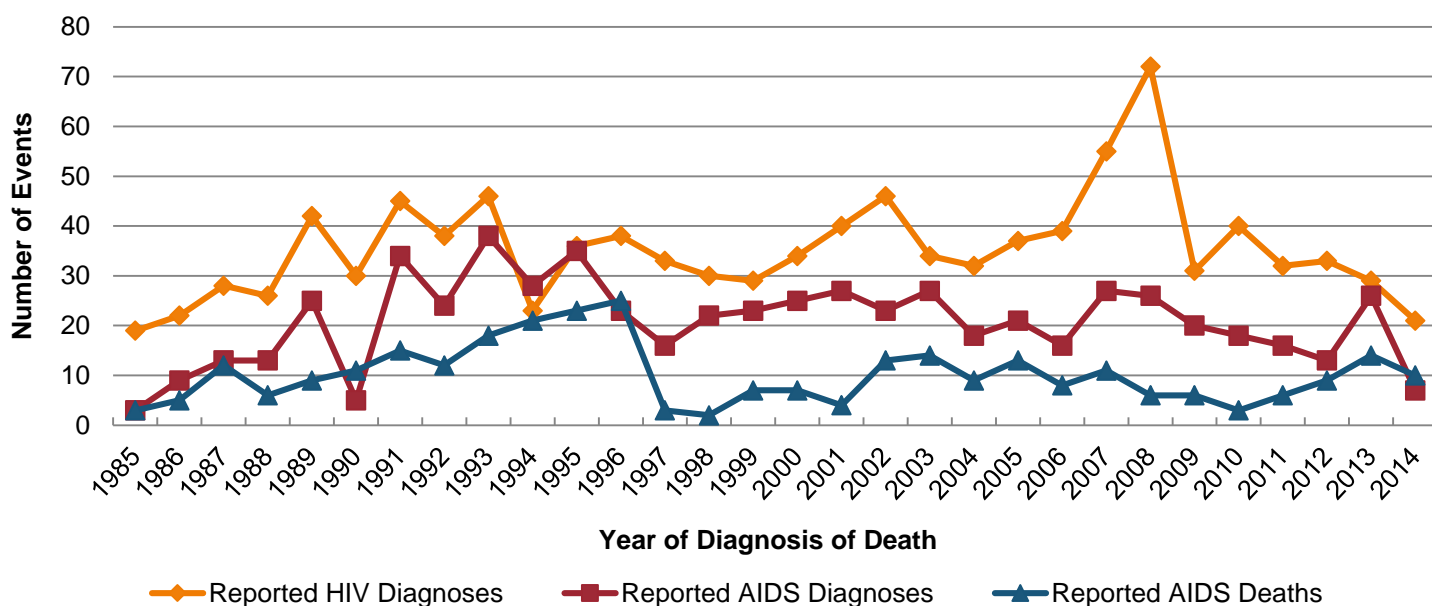
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

Section II – Trends 1985-2014

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2014, Reported through 12/31/2015

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2014 as Reported through 12/31/2015

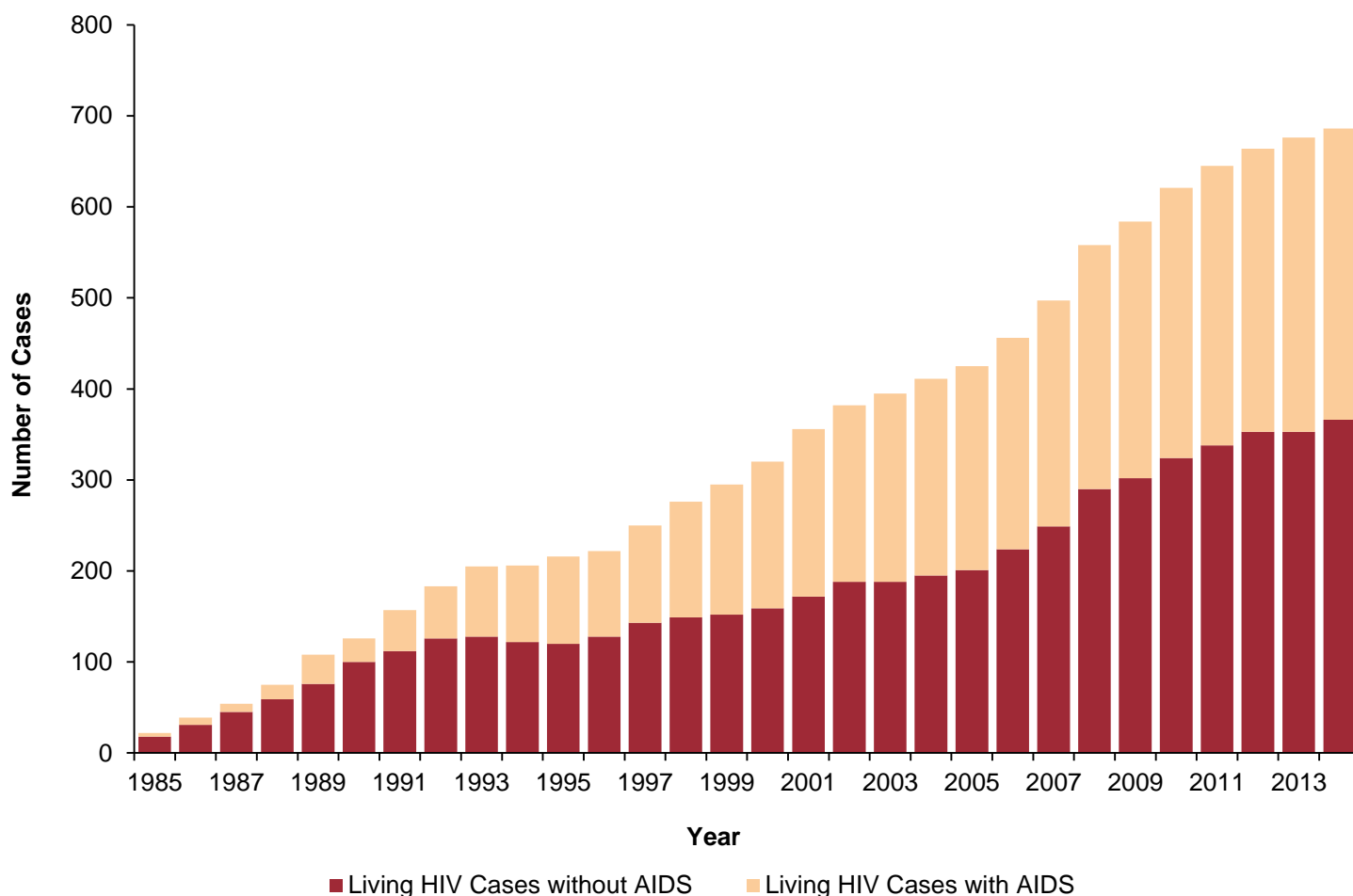


During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	8	5	1	2000	34	25	7
1985	19	3	3	2001	40	27	4
1986	22	9	5	2002	46	23	13
1987	28	13	12	2003	34	27	14
1988	26	13	6	2004	32	18	9
1989	42	25	9	2005	37	21	13
1990	30	5	11	2006	39	16	8
1991	45	34	15	2007	55	27	11
1992	38	24	12	2008	72	26	6
1993	46	38	18	2009	31	20	6
1994	23	28	21	2010	40	18	3
1995	36	35	23	2011	32	16	6
1996	38	23	25	2012	33	13	9
1997	33	16	3	2013	29	26	14
1998	30	22	2	2014	21	7	10
1999	29	23	7	TOTAL	1,068	626	306

Figure 2 – Trends in Living HIV Cases, 1985-2014, Reported through 12/31/2015

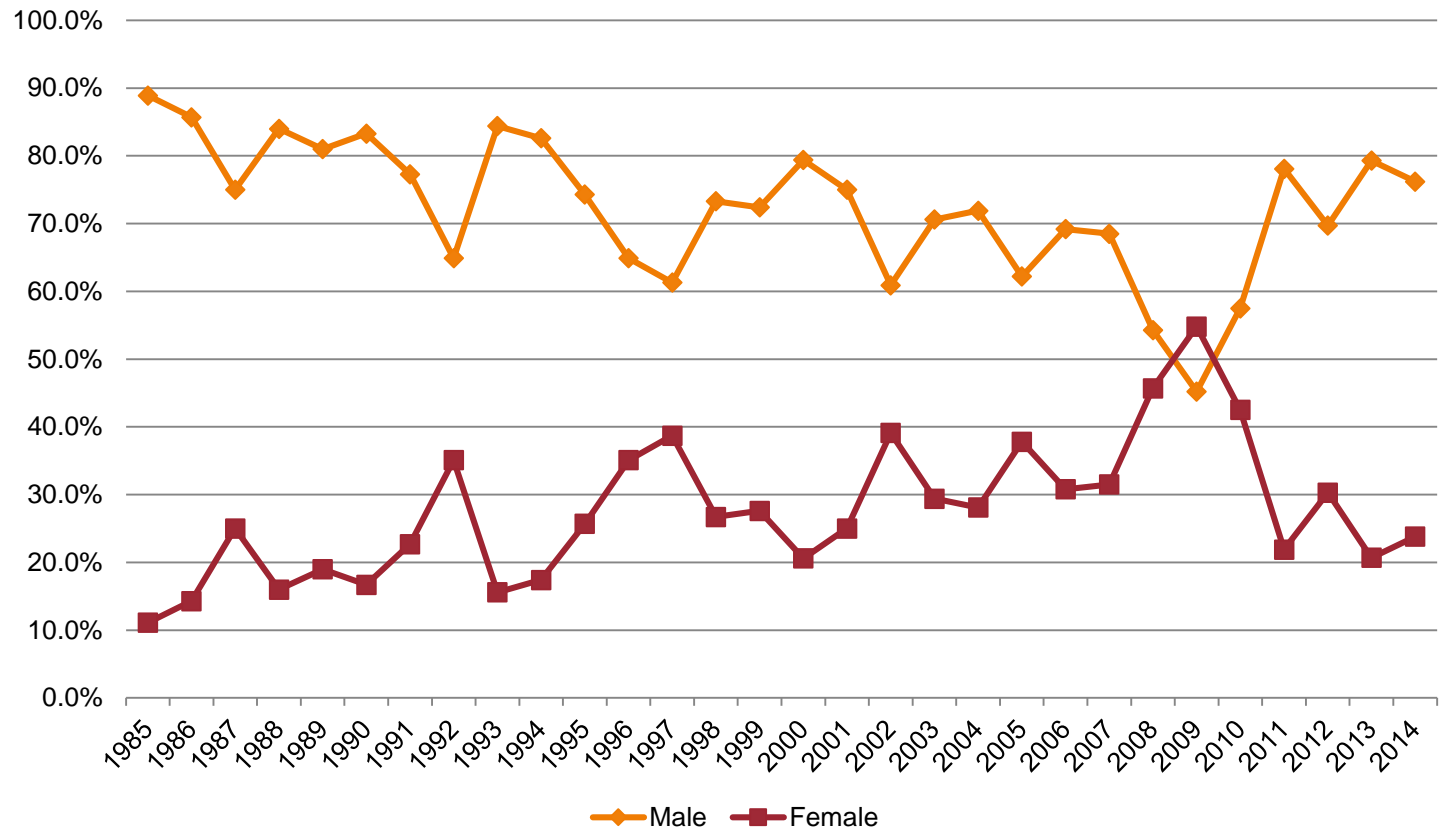
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2014, as Reported through 12/31/2015



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	18	4	22	2000	159	161	320
1986	31	8	39	2001	172	184	356
1987	45	9	54	2002	188	194	382
1988	59	16	75	2003	188	207	395
1989	76	32	108	2004	195	216	411
1990	100	26	126	2005	201	224	425
1991	112	45	157	2006	224	232	456
1992	126	57	183	2007	249	248	497
1993	128	77	205	2008	290	268	558
1994	122	84	206	2009	302	282	584
1995	120	96	216	2010	324	297	621
1996	128	94	222	2011	338	307	645
1997	143	107	250	2012	353	311	664
1998	149	127	276	2013	353	323	676
1999	152	143	295	2014	366	320	686

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2014, Reported through 12/31/2015

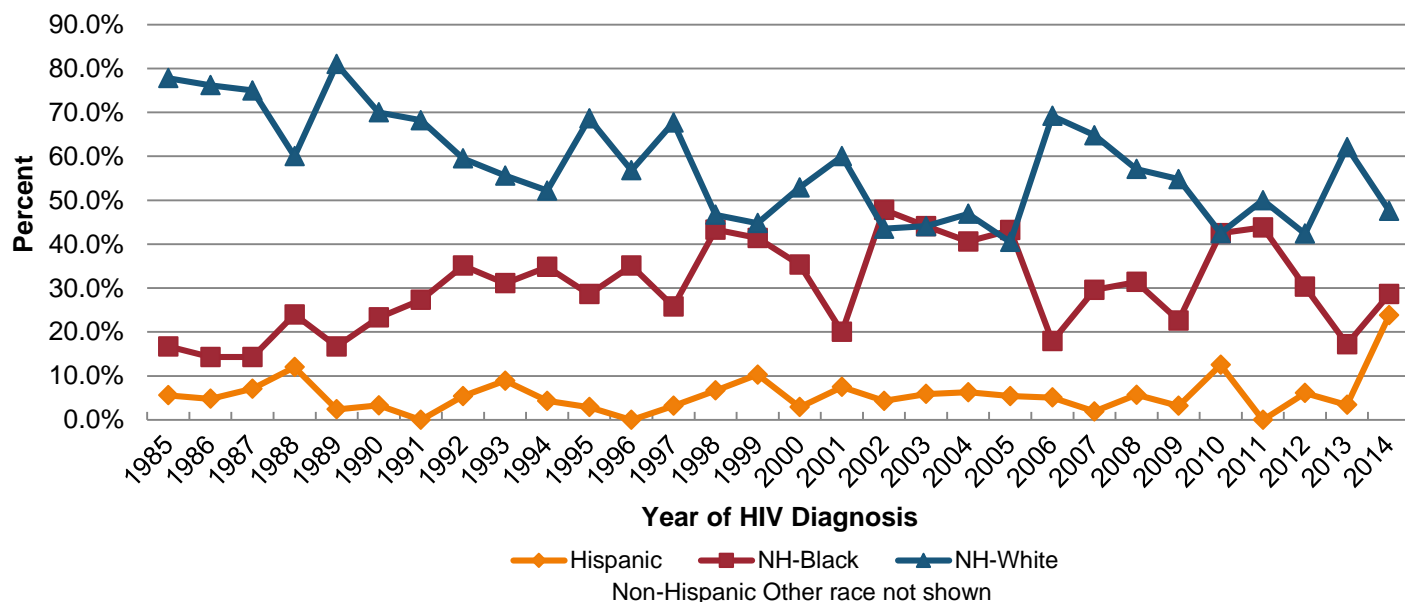
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	8	100.0%	0.0%	2000	34	79.4%	20.6%
1985	18	88.9%	11.1%	2001	40	75.0%	25.0%
1986	21	85.7%	14.3%	2002	46	60.9%	39.1%
1987	28	75.0%	25.0%	2003	34	70.6%	29.4%
1988	25	84.0%	16.0%	2004	32	71.9%	28.1%
1989	42	81.0%	19.0%	2005	37	62.2%	37.8%
1990	30	83.3%	16.7%	2006	39	69.2%	30.8%
1991	44	77.3%	22.7%	2007	54	68.5%	31.5%
1992	37	64.9%	35.1%	2008	70	54.3%	45.7%
1993	45	84.4%	15.6%	2009	31	45.2%	54.8%
1994	23	82.6%	17.4%	2010	40	57.5%	42.5%
1995	35	74.3%	25.7%	2011	32	78.1%	21.9%
1996	37	64.9%	35.1%	2012	33	69.7%	30.3%
1997	31	61.3%	38.7%	2013	29	79.3%	20.7%
1998	30	73.3%	26.7%	2014	21	76.2%	23.8%
1999	29	72.4%	27.6%	TOTAL	1,055	71.2%	28.8%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2014, Reported through 12/31/2015

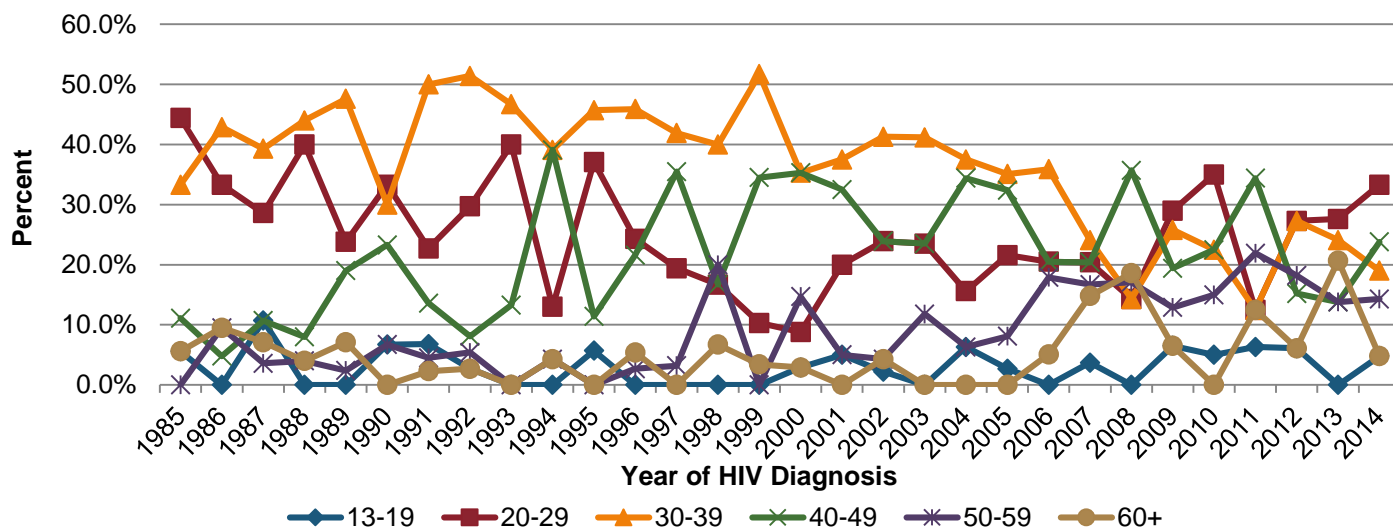
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	8	0.0%	37.5%	62.5%	0.0%
1985	18	5.6%	16.7%	77.8%	0.0%
1986	21	4.8%	14.3%	76.2%	4.8%
1987	28	7.1%	14.3%	75.0%	3.6%
1988	25	12.0%	24.0%	60.0%	4.0%
1989	42	2.4%	16.7%	81.0%	0.0%
1990	30	3.3%	23.3%	70.0%	3.3%
1991	44	0.0%	27.3%	68.2%	4.5%
1992	37	5.4%	35.1%	59.5%	0.0%
1993	45	8.9%	31.1%	55.6%	4.4%
1994	23	4.3%	34.8%	52.2%	8.7%
1995	35	2.9%	28.6%	68.6%	0.0%
1996	37	0.0%	35.1%	56.8%	8.1%
1997	31	3.2%	25.8%	67.7%	3.2%
1998	30	6.7%	43.3%	46.7%	3.3%
1999	29	10.3%	41.4%	44.8%	3.4%
2000	34	2.9%	35.3%	52.9%	8.8%
2001	40	7.5%	20.0%	60.0%	12.5%
2002	46	4.3%	47.8%	43.5%	4.3%
2003	34	5.9%	44.1%	44.1%	5.9%
2004	32	6.3%	40.6%	46.9%	6.3%
2005	37	5.4%	43.2%	40.5%	10.8%
2006	39	5.1%	17.9%	69.2%	7.7%
2007	54	1.9%	29.6%	64.8%	3.7%
2008	70	5.7%	31.4%	57.1%	5.7%
2009	31	3.2%	22.6%	54.8%	19.4%
2010	40	12.5%	42.5%	42.5%	2.5%
2011	32	0.0%	43.8%	50.0%	6.3%
2012	33	6.1%	30.3%	42.4%	21.2%
2013	29	3.4%	17.2%	62.1%	17.2%
2014	21	23.8%	28.6%	47.6%	0.0%
TOTAL	1,055	5.3%	30.9%	57.7%	6.1%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2014, Reported through 12/31/2015

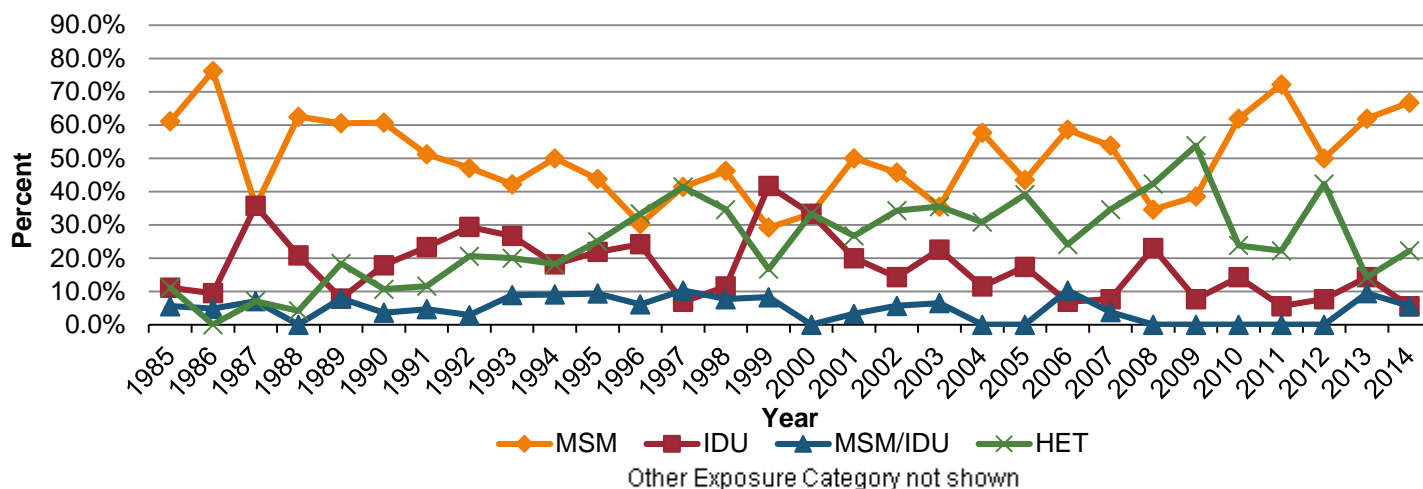
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	8	0.0%	37.5%	50.0%	12.5%	0.0%	0.0%
1985	18	5.6%	44.4%	33.3%	11.1%	0.0%	5.6%
1986	21	0.0%	33.3%	42.9%	4.8%	9.5%	9.5%
1987	28	10.7%	28.6%	39.3%	10.7%	3.6%	7.1%
1988	25	0.0%	40.0%	44.0%	8.0%	4.0%	4.0%
1989	42	0.0%	23.8%	47.6%	19.0%	2.4%	7.1%
1990	30	6.7%	33.3%	30.0%	23.3%	6.7%	0.0%
1991	44	6.8%	22.7%	50.0%	13.6%	4.5%	2.3%
1992	37	2.7%	29.7%	51.4%	8.1%	5.4%	2.7%
1993	45	0.0%	40.0%	46.7%	13.3%	0.0%	0.0%
1994	23	0.0%	13.0%	39.1%	39.1%	4.3%	4.3%
1995	35	5.7%	37.1%	45.7%	11.4%	0.0%	0.0%
1996	37	0.0%	24.3%	45.9%	21.6%	2.7%	5.4%
1997	31	0.0%	19.4%	41.9%	35.5%	3.2%	0.0%
1998	30	0.0%	16.7%	40.0%	16.7%	20.0%	6.7%
1999	29	0.0%	10.3%	51.7%	34.5%	0.0%	3.4%
2000	34	2.9%	8.8%	35.3%	35.3%	14.7%	2.9%
2001	40	5.0%	20.0%	37.5%	32.5%	5.0%	0.0%
2002	46	2.2%	23.9%	41.3%	23.9%	4.3%	4.3%
2003	34	0.0%	23.5%	41.2%	23.5%	11.8%	0.0%
2004	32	6.3%	15.6%	37.5%	34.4%	6.3%	0.0%
2005	37	2.7%	21.6%	35.1%	32.4%	8.1%	0.0%
2006	39	0.0%	20.5%	35.9%	20.5%	17.9%	5.1%
2007	54	3.7%	20.4%	24.1%	20.4%	16.7%	14.8%
2008	70	0.0%	14.3%	14.3%	35.7%	17.1%	18.6%
2009	31	6.5%	29.0%	25.8%	19.4%	12.9%	6.5%
2010	40	5.0%	35.0%	22.5%	22.5%	15.0%	0.0%
2011	32	6.3%	12.5%	12.5%	34.4%	21.9%	12.5%
2012	33	6.1%	27.3%	27.3%	15.2%	18.2%	6.1%
2013	29	0.0%	27.6%	24.1%	13.8%	13.8%	20.7%
2014	21	4.8%	33.3%	19.0%	23.8%	14.3%	4.8%
TOTAL	1,055	2.8%	24.4%	35.7%	22.5%	9.1%	5.5%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2014, Reported through 12/31/2015

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	8	7	71.4%	14.3%	14.3%	0.0%	0.0%
1985	18	18	61.1%	11.1%	5.6%	11.1%	11.1%
1986	21	21	76.2%	9.5%	4.8%	0.0%	9.5%
1987	28	28	35.7%	35.7%	7.1%	7.1%	14.3%
1988	25	24	62.5%	20.8%	0.0%	4.2%	12.5%
1989	42	38	60.5%	7.9%	7.9%	18.4%	5.3%
1990	30	28	60.7%	17.9%	3.6%	10.7%	7.1%
1991	44	43	51.2%	23.3%	4.7%	11.6%	9.3%
1992	37	34	47.1%	29.4%	2.9%	20.6%	0.0%
1993	45	45	42.2%	26.7%	8.9%	20.0%	2.2%
1994	23	22	50.0%	18.2%	9.1%	18.2%	4.5%
1995	35	32	43.8%	21.9%	9.4%	25.0%	0.0%
1996	37	33	30.3%	24.2%	6.1%	33.3%	6.1%
1997	31	29	41.4%	6.9%	10.3%	41.4%	0.0%
1998	30	26	46.2%	11.5%	7.7%	34.6%	0.0%
1999	29	24	29.2%	41.7%	8.3%	16.7%	4.2%
2000	34	30	33.3%	33.3%	0.0%	33.3%	0.0%
2001	40	30	50.0%	20.0%	3.3%	26.7%	0.0%
2002	46	35	45.7%	14.3%	5.7%	34.3%	0.0%
2003	34	31	35.5%	22.6%	6.5%	35.5%	0.0%
2004	32	26	57.7%	11.5%	0.0%	30.8%	0.0%
2005	37	23	43.5%	17.4%	0.0%	39.1%	0.0%
2006	39	29	58.6%	6.9%	10.3%	24.1%	0.0%
2007	54	26	53.8%	7.7%	3.8%	34.6%	0.0%
2008	70	26	34.6%	23.1%	0.0%	42.3%	0.0%
2009	31	13	38.5%	7.7%	0.0%	53.8%	0.0%
2010	40	21	61.9%	14.3%	0.0%	23.8%	0.0%
2011	32	18	72.2%	5.6%	0.0%	22.2%	0.0%
2012	33	26	50.0%	7.7%	0.0%	42.3%	0.0%
2013	29	21	61.9%	14.3%	9.5%	14.3%	0.0%
2014	21	18	66.7%	5.6%	5.6%	22.2%	0.0%
TOTAL	1,055	825	49.2%	18.2%	5.1%	24.6%	2.9%

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2015

Jurisdiction of Residence at HIV Diagnosis	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Allegany	63,865	0	0.0%	0.0	--	--	--	--	--	--	--
Frederick	202,815	12	57.1%	5.9	9	75.0%	***	***	***	***	***
Garrett	25,684	0	0.0%	0.0	--	--	--	--	--	--	--
Washington	126,009	9	42.9%	7.1	8	88.9%	***	***	***	***	***
TOTAL	418,373	21	100.0%	5.0	17	81.0%	3	14.3%	20	95.2%	466

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Allegany	63,865	0	0.0%	0.0	--	0.0%
Frederick	202,815	5	71.4%	2.5	***	***
Garrett	25,684	0	0.0%	0.0	--	0.0%
Washington	126,009	2	28.6%	1.6	***	***
TOTAL	418,373	7	100.0%	1.7	3.3	57.1%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Allegany	63,865	38	10.6%	59.5	30	9.5%	47.0	68	10.1%	106.5	939
Frederick	202,815	152	42.2%	74.9	150	47.5%	74.0	302	44.7%	148.9	671
Garrett	25,684	3	0.8%	11.7	3	0.9%	11.7	6	0.9%	23.4	4,280
Washington	126,009	167	46.4%	132.5	133	42.1%	105.5	300	44.4%	238.1	420
TOTAL	418,373	360	100.0%	86.0	316	100.0%	75.5	676	100.0%	161.6	618

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction and Current Residence, Reported through 12/31/2015

ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS															
JURISDICTION OF RESIDENCE	Population Age 13+	Residence at HIV Diagnosis				Last Known Residence				% Change	Current Residence 2009-2015				
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio		No.	% of Total	Rate	Ratio	% Change
Allegany	63,865	68	10.1%	106.5	939	113	12.0%	176.9	565	66.2%	94	12.7%	147.2	679	38.2%
Frederick	202,815	302	44.7%	148.9	671	394	41.9%	194.3	514	30.5%	318	42.9%	156.8	637	5.3%
Garrett	25,684	6	0.9%	23.4	4,280	14	1.5%	54.5	1,834	133.3%	10	1.3%	38.9	2,568	66.7%
Washington	126,009	300	44.4%	238.1	420	419	44.6%	332.5	300	39.7%	320	43.1%	254.0	393	6.7%
TOTAL	418,373	676	100.0%	161.6	618	940	100.0%	224.7	445	39.1%	742	100.0%	177.4	563	9.8%

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Last Known Residence: Jurisdiction of residence from the most recent laboratory test or case report, reported through 12/31/2015.

Current Residence 2009-2015: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-12/31/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	68	***	***	***	***	***	***	***
Frederick	302	155	51.3%	539	8.4%	10.3%	21.9%	59.4%
Garrett	6	***	***	***	***	***	***	***
Washington	300	157	52.3%	626	8.9%	7.0%	17.8%	66.2%
Total	676	358	53.0%	584	8.1%	8.7%	19.3%	64.0%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Allegany	68	***	***	***	***
Frederick	302	162	53.6%	88.9%	4,095
Garrett	6	***	***	***	***
Washington	300	152	50.7%	92.8%	14,230
TOTAL	676	359	53.1%	90.3%	5,782

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

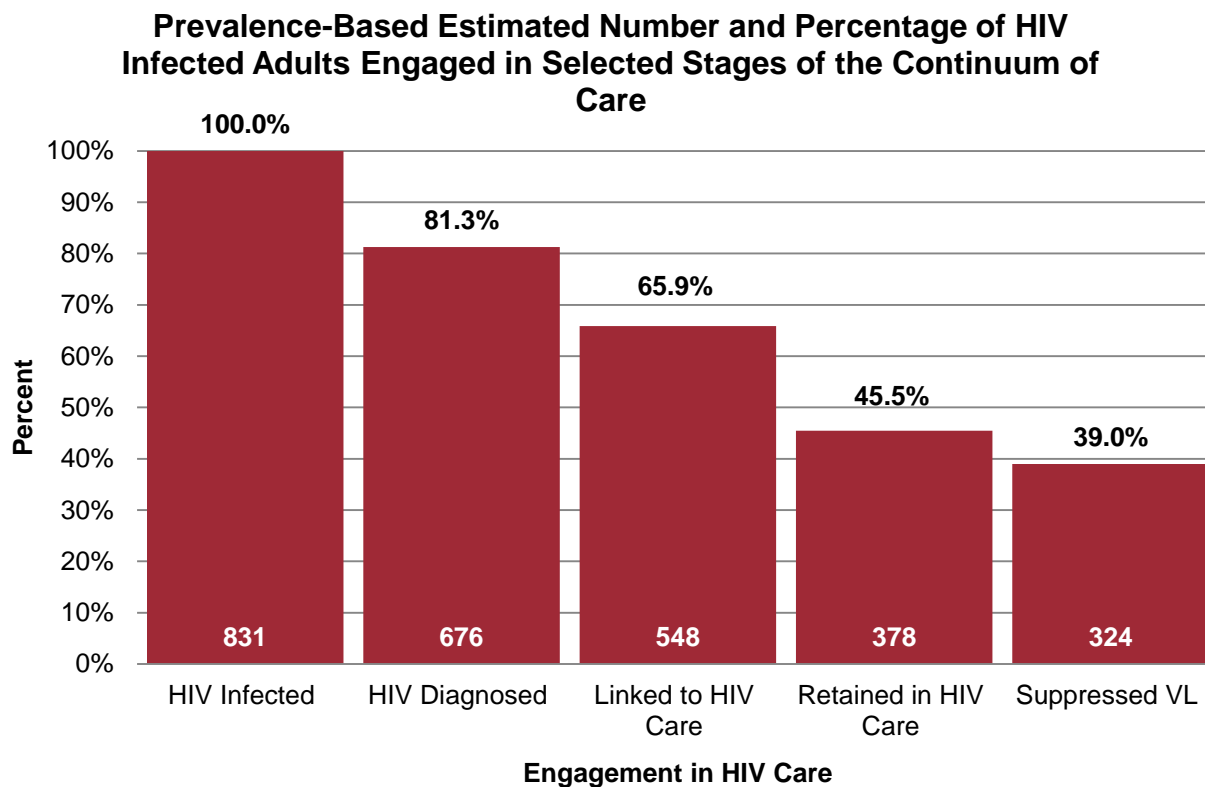
Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, Reported through 12/31/2015

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Western Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the number of undiagnosed persons in Maryland (18.7%)² to generate an estimated number of HIV infected persons in the Western Region. It then uses local data to describe the number and percentage of persons living with HIV in the Western Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	831	100.0%
HIV Diagnosed	676	81.3%
Linked to HIV Care	548	65.9%
Retained in HIV Care	378	45.5%
Suppressed VL	324	39.0%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31st of the specified year.

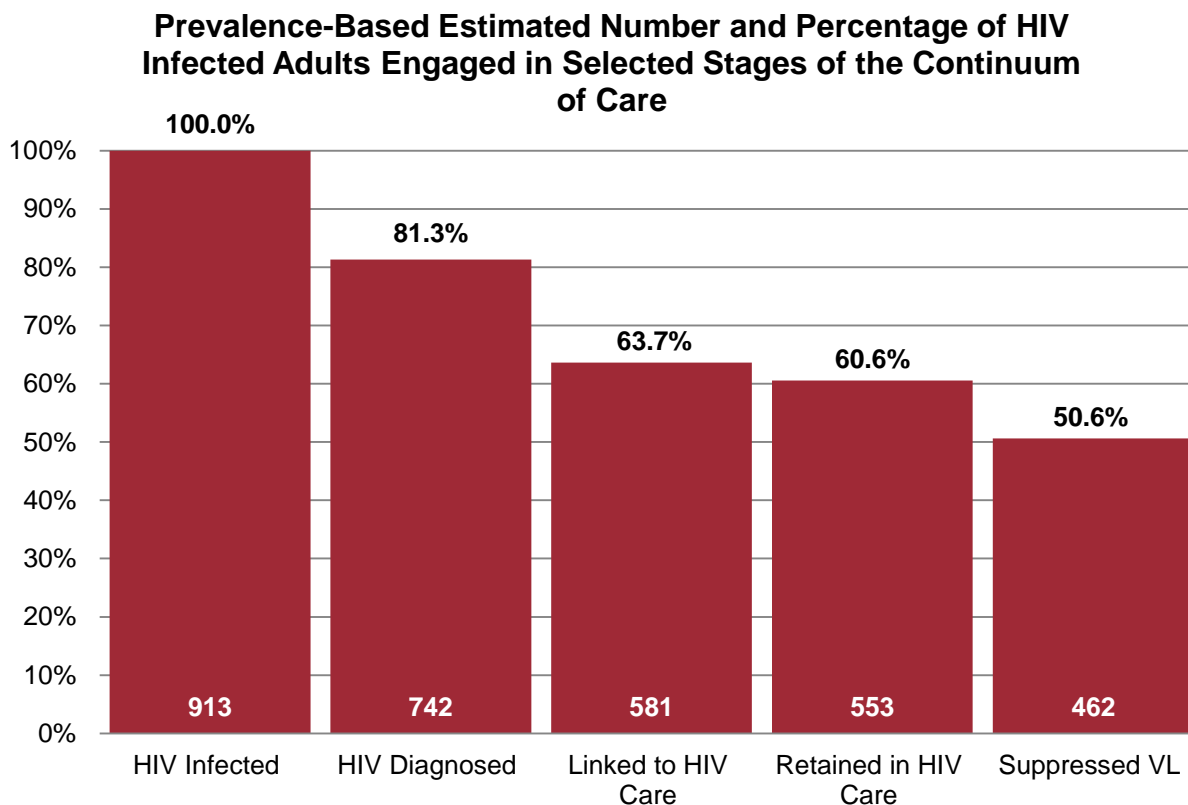
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test- and- Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

² Centers for Disease Control and Prevention, *Morbidity and Mortality Weekly Report*, June 2015.

Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, by Current Residence, Reported through 12/31/2015

The prevalence-based Western Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the number of undiagnosed persons in Maryland (18.7%)¹ to generate an estimated number of HIV infected persons in the Western Region. It then uses local data for current Western Region residents to describe the number and percentage of persons living with HIV in the Western Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	913	100.0%
HIV Diagnosed	742	81.3%
Linked to HIV Care	581	63.7%
Retained in HIV Care	553	60.6%
Suppressed VL	462	50.6%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2015.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31st of the specified year.

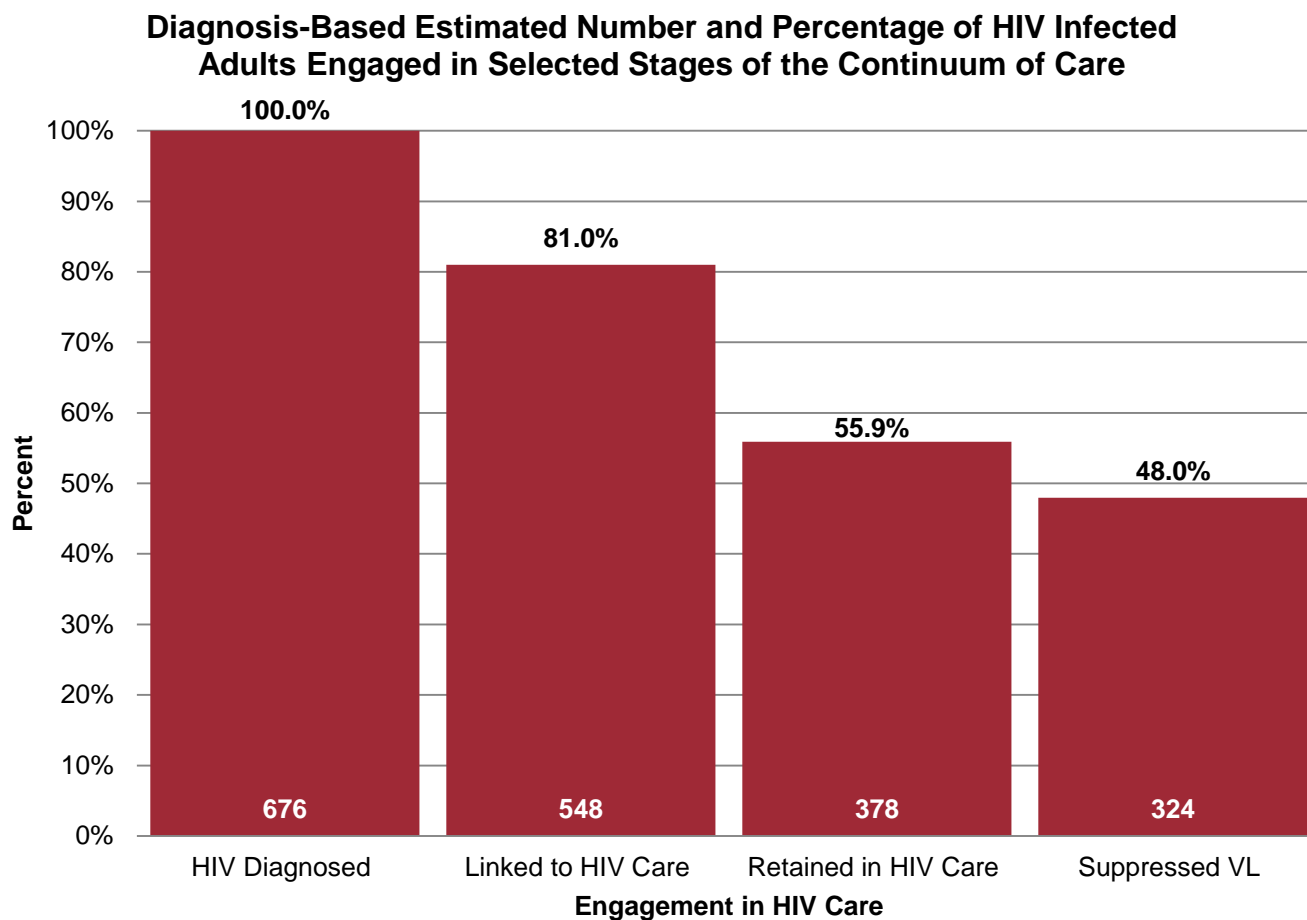
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence see the Maryland Current Residence Supplemental HIV Epidemiological Profile found here: <http://phpa.dhmdh.maryland.gov/OIDEOR/CHSE/Pages/statistics.aspx>

¹ Centers for Disease Control and Prevention, Morbidity and Mortality Weekly Report, June 2015.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, Reported through 12/31/2015

The diagnosis-based Western Region Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in the Western Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	676	100.0%
Linked to HIV Care	548	81.0%
Retained in HIV Care	378	55.9%
Suppressed VL	324	48.0%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

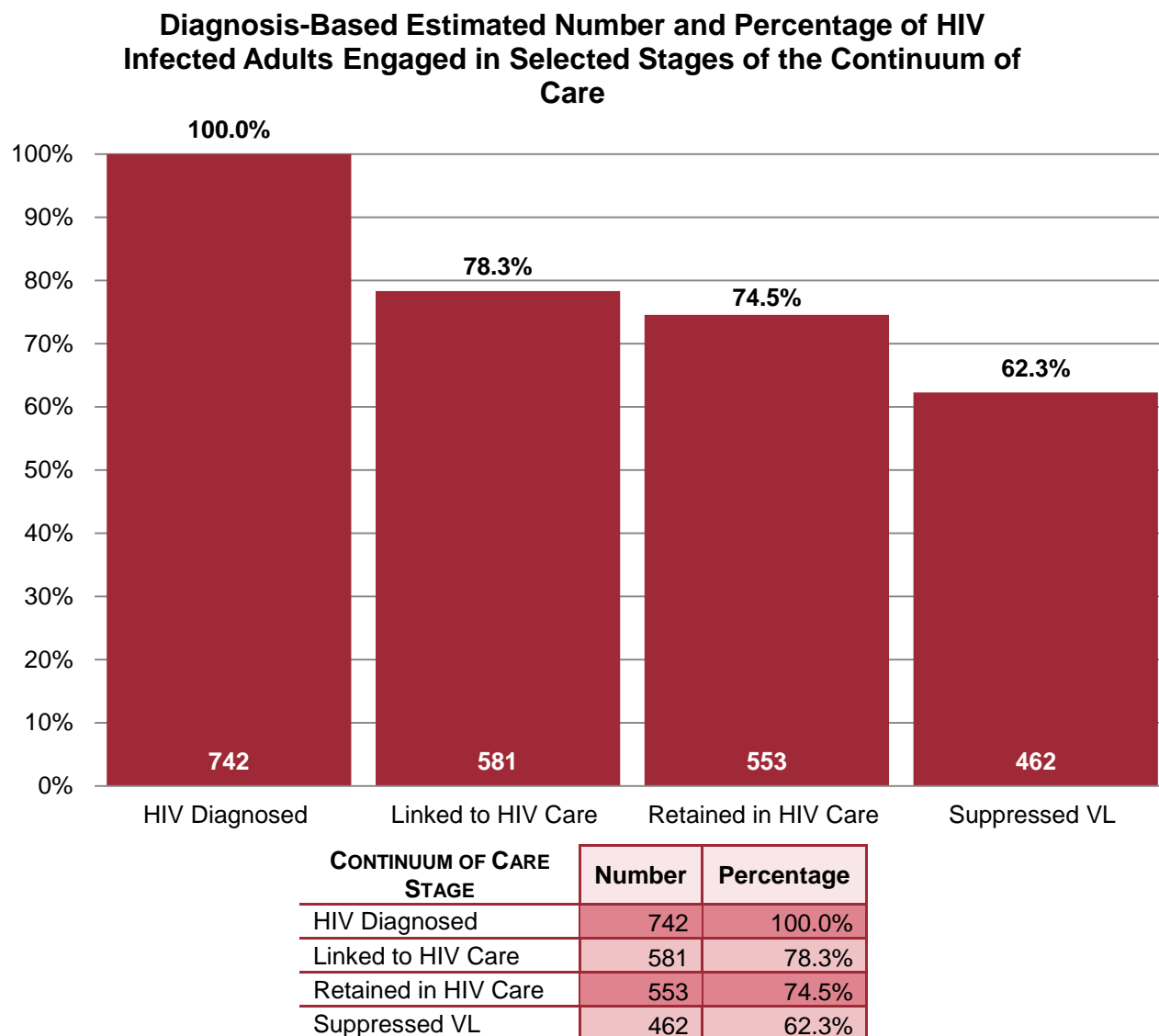
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31st of the specified year

Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, by Current Residence, Reported through 12/31/2015

The diagnosis-based Western Region Engagement in HIV Care Cascade (below) uses local data for current Western Region residents to describe the number and percentage of persons diagnosed with HIV in the Western Region who belong to each of the stages of engagement in HIV care.



HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2015.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31st of the specified year

Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence see the Maryland Current Residence Supplemental HIV Epidemiological Profile found here: <http://phpa.dhmm.maryland.gov/OIDEOR/CHSE/Pages/statistics.aspx>

Section IV – Cases by Age

Table 6 – HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2015

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
<5 (Pediatric)	28,152	0	0.0%	0.0	--	--	--	--	--	--	--
5-12 (Pediatric)	49,354	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	45,856	1	4.8%	2.2	***	***	***	***	***	***	***
20-29	63,773	7	33.3%	11.0	***	***	0	0.0%	6	85.7%	595
30-39	60,470	4	19.0%	6.6	***	***	***	***	***	***	***
40-49	70,220	5	23.8%	7.1	***	***	0	0.0%	5	100.0%	418
50-59	73,980	3	14.3%	4.1	***	***	***	***	***	***	***
60+	104,074	1	4.8%	1.0	***	***	***	***	***	***	***
TOTAL	495,879	21	100.0%	4.2	17	81.0%	3	14.3%	20	95.2%	466

*** Data withheld due to low population counts and/or case counts

Table 7 – AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2015

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	28,152	0	0.0%	0.0	--	--
5-12 (Pediatric)	49,354	0	0.0%	0.0	--	--
13-19	45,856	0	0.0%	0.0	--	--
20-29	63,773	1	14.3%	1.6	***	***
30-39	60,470	3	42.9%	5.0	***	***
40-49	70,220	1	14.3%	1.4	***	***
50-59	73,980	2	28.6%	2.7	***	***
60+	104,074	0	0.0%	0.0	--	--
TOTAL	495,879	7	100.0%	1.4	3.3	57.1%

*** Data withheld due to low population counts and/or case counts

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Population: Population estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Table 8 – HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015

AGE ON 12/31/2014	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	28,152	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
5-12	49,354	1	0.3%	2.0	0	0.0%	0.0	1	0.1%	2.0	49,354
13-19	45,856	4	1.1%	8.7	0	0.0%	0.0	4	0.6%	8.7	11,464
20-29	63,773	44	12.0%	69.0	11	3.4%	17.2	55	8.0%	86.2	1,159
30-39	60,470	80	21.9%	132.3	35	10.9%	57.9	115	16.8%	190.2	525
40-49	70,220	98	26.8%	139.6	101	31.6%	143.8	199	29.0%	283.4	352
50-59	73,980	91	24.9%	123.0	128	40.0%	173.0	219	31.9%	296.0	337
60+	104,074	48	13.1%	46.1	45	14.1%	43.2	93	13.6%	89.4	1,119
TOTAL	495,879	366	100.0%	73.8	320	100.0%	64.5	686	100.0%	138.3	722

Age on [date]: Age group of living cases on the specified date.

Population: Population estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015

AGE ON 12/31/2014	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20-29	51	30	58.8%	612	3.3%	0.0%	16.7%	80.0%
30-39	114	63	55.3%	631	7.9%	11.1%	14.3%	66.7%
40-49	199	98	49.2%	639	6.1%	8.2%	16.3%	69.4%
50-59	219	119	54.3%	545	10.1%	10.1%	21.0%	58.8%
60+	93	48	51.6%	522	10.4%	8.3%	29.2%	52.1%
TOTAL	676	358	53.0%	584	8.1%	8.7%	19.3%	64.0%

Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015

AGE ON 12/31/2014	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	0	0	0.0%	0.0%	--
20-29	51	31	60.8%	71.0%	4,930
30-39	114	59	51.8%	84.7%	4,571
40-49	199	99	49.7%	93.9%	4,896
50-59	219	123	56.2%	93.5%	8,958
60+	93	47	50.5%	93.6%	101,340
TOTAL	676	359	53.1%	90.3%	5,782

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age on [date]: Age group of living cases on the specified date.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Section V – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2015

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
Male	209,331	16	76.2%	7.6	***	***	***	***	15	93.8%	485
Female	209,042	5	23.8%	2.4	***	***	***	***	5	100.0%	319
TOTAL	418,373	21	100.0%	5.0	17	81.0%	3	14.3%	20	95.2%	466

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
Hispanic	20,982	5	23.8%	23.8	***	***	***	***	***	***	***
Non-Hispanic	397,391	16	76.2%	4.0	***	***	***	***	***	***	***
American Indian/Alaska Native, only	826	0	0.0%	0.0	--	--	--	--	--	--	--
Asian, only	11,356	0	0.0%	0.0	--	--	--	--	--	--	--
Black, only	35,963	6	28.6%	16.7	***	***	***	***	***	***	***
Native Hawaiian/ Other Pacific Islander, only	210	0	0.0%	0.0	--	--	--	--	--	--	--
White only	342,862	10	47.6%	2.9	***	***	***	***	10	100.0%	632
Multiracial/ Other	6,175	0	0.0%	0.0	--	--	--	--	--	--	--
TOTAL	418,373	21	100.0%	5.0	17	81.0%	3	14.3%	20	95.2%	466

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
United States	382,581	19	90.5%	5.0	16	84.2%	***	***	19	100.0%	485
Foreign-born	30,559	2	9.5%	6.5	***	***	***	***	***	***	***
Africa	--	1	50.0%	--	***	***	***	***	***	***	***
Asia	--	0	0.0%	--	0	0.0%	0	0.0%	0	0.0%	--
Caribbean	--	0	0.0%	--	0	0.0%	0	0.0%	0	0.0%	--
Central America	--	1	50.0%	--	***	***	***	***	***	***	***
Other	--	0	0.0%	--	0	0.0%	0	0.0%	0	0.0%	--
Unknown	--	0	0.0%	--	0	0.0%	0	0.0%	0	0.0%	--
TOTAL	413,140	21	100.0%	5.1	17	81.0%	3	14.3%	20	95.2%	466

* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

** Population data by country of birth are from the 2013 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 12 – Adult/Adolescent AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2015

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	209,331	5	71.4%	2.4	4.4	40.0%
Female	209,042	2	28.6%	1.0	0.6	100.0%
TOTAL	418,373	7	100.0%	1.7	3.3	57.1%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	20,982	1	14.3%	4.8	***	***
Non-Hispanic	397,391	6	85.7%	1.5	2.8	66.7%
American Indian/Alaska Native, only	826	0	0.0%	0.0	--	--
Asian, only	11,356	0	0.0%	0.0	--	--
Black, only	35,963	4	57.1%	11.1	***	***
Native Hawaiian/Other Pacific Islander, only	210	0	0.0%	0.0	--	--
White only	342,862	1	14.3%	0.3	***	***
Multiracial/Other	6,175	1	14.3%	16.2	***	***
TOTAL	418,373	7	100.0%	1.7	3.3	57.1%

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	382,581	5	71.4%	1.3	3.3	60.0%
Foreign-born	30,559	2	28.6%	6.5	3.2	50.0%
Africa	--	1	50.0%	--	***	***
Asia	--	0	0.0%	--	--	0.0%
Caribbean	--	0	0.0%	--	--	0.0%
Central America	--	1	50.0%	--	***	***
Other	--	0	0.0%	--	--	0.0%
Unknown	--	0	0.0%	--	--	0.0%
TOTAL	413,140	7	100.0%	1.7	3.3	57.1%

* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

** Population data by country of birth are from the 2013 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	209,331	237	65.8	113.2	218	69	104.1	455	67.3	217.4	460
Female	209,042	123	34.2	58.8	98	31	46.9	221	32.7	105.7	945
TOTAL	418,373	360	100	86.0	316	100	75.5	676	100	161.6	618

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	20,982	22	6.1%	104.9	22	7.0%	104.9	44	6.5%	209.7	476
Non-Hispanic	397,391	338	93.9%	85.1	294	93.0%	74.0	632	93.5%	159.0	628
American Indian/Alaska Native, only	826	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
Asian, only	11,356	1	0.3%	8.8	4	1.3%	35.2	5	0.7%	44.0	2,271
Black, only	35,963	101	28.1%	280.8	108	34.2%	300.3	209	30.9%	581.2	172
Native Hawaiian/Other Pacific Islander, only	210	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
White only	342,862	212	58.9%	61.8	151	47.8%	44.0	363	53.7%	105.9	944
Multiracial/Other	6,175	24	6.7%	388.7	31	9.8%	502.0	55	8.1%	890.7	112
TOTAL	418,373	360	100.0%	86.0	316	100.0%	75.5	676	100.0%	161.6	618

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	382,581	323	89.7%	84.4	282	89.2%	73.7	605	89.5%	158.1	632
Foreign-born	30,559	13	3.6%	42.5	29	9.2%	94.9	42	6.2%	137.4	727
Africa	--	6	46.2%	--	11	37.9%	--	17	40.5%	--	--
Asia	--	3	23.1%	--	3	10.3%	--	6	14.3%	--	--
Caribbean	--	0	0.0%	--	3	10.3%	--	3	7.1%	--	--
Central America	--	3	23.1%	--	6	20.7%	--	9	21.4%	--	--
Other	--	1	7.7%	--	6	20.7%	--	7	16.7%	--	--
Unknown	--	24	6.7%	--	5	1.6%	--	29	4.3%	--	--
TOTAL	413,140	360	100.0%	87.1	316	100.0%	76.5	676	100.0%	163.6	611

* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

** Population data by country of birth are from the 2013 American Community Survey

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
SEX AT BIRTH	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	455	238	52.3%	565	8.4%	9.7%	18.9%	63.0%
Female	221	120	54.3%	619	7.5%	6.7%	20.0%	65.8%
TOTAL	676	358	53.0%	584	8.1%	8.7%	19.3%	64.0%

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
RACE/ETHNICITY	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	44	22	50.0%	471	9.1%	18.2%	27.3%	45.5%
Non-Hispanic	632	336	53.2%	604	8.0%	8.0%	18.8%	65.2%
American Indian/Alaska Native, only	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
Asian, only	5	***	***	***	***	***	***	***
Black, only	209	111	53.1%	539	8.1%	9.9%	20.7%	61.3%
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
White only	363	187	51.5%	654	8.0%	7.0%	17.1%	67.9%
Multiracial/Other	55	***	***	***	***	***	***	***
TOTAL	676	358	53.0%	584	8.1%	8.7%	19.3%	64.0%

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
COUNTRY OF BIRTH	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	605	326	53.9%	582	8.0%	8%	20.2%	63.8%
Foreign-born	42	18	42.9%	454	11.1%	27.8%	16.7%	44.4%
Africa	17	8	47.1%	358	25.0%	25.0%	12.5%	37.5%
Asia	6	***	***	***	***	***	***	***
Caribbean	3	***	***	***	***	***	***	***
Central America	9	***	***	***	***	***	***	***
Other	7	***	***	***	***	***	***	***
Unknown	29	14	48.3%***	775	7.1%	0.0%	0.0%	92.9%
TOTAL	676	358	53.0%	584	8.1%	8.7%	19.3%	64.0%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	455	238	52.3%	91.2%	6,918
Female	221	121	54.8%	88.4%	5,356
TOTAL	676	359	53.1%	90.3%	5,782

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	44	22	50.0%	77.3%	10,210
Non-Hispanic	632	337	53.3%	91.1%	4,750
American Indian/Alaska Native, only	0	0	0.0%	0.0%	--
Asian, only	5	***	***	***	***
Black, only	209	113	54.1%	89.4%	6,350
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	0.0%	--
White only	363	181	49.9%	92.3%	3,625
Multiracial/Other	55	***	***	***	***
TOTAL	676	359	53.1%	90.3%	5,782

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	605	327	54.0%	90.5%	5,782
Foreign-born	42	18	42.9%	88.9%	59,650
Africa	17	8	47.1%	87.5%	116,979
Asia	6	***	***	***	***
Caribbean	3	***	***	***	***
Central America	9	***	***	***	***
Other	7	***	***	***	***
Unknown	29	14	48.3%	85.7%	131,309
TOTAL	676	359	53.1%	90.3%	5,782

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

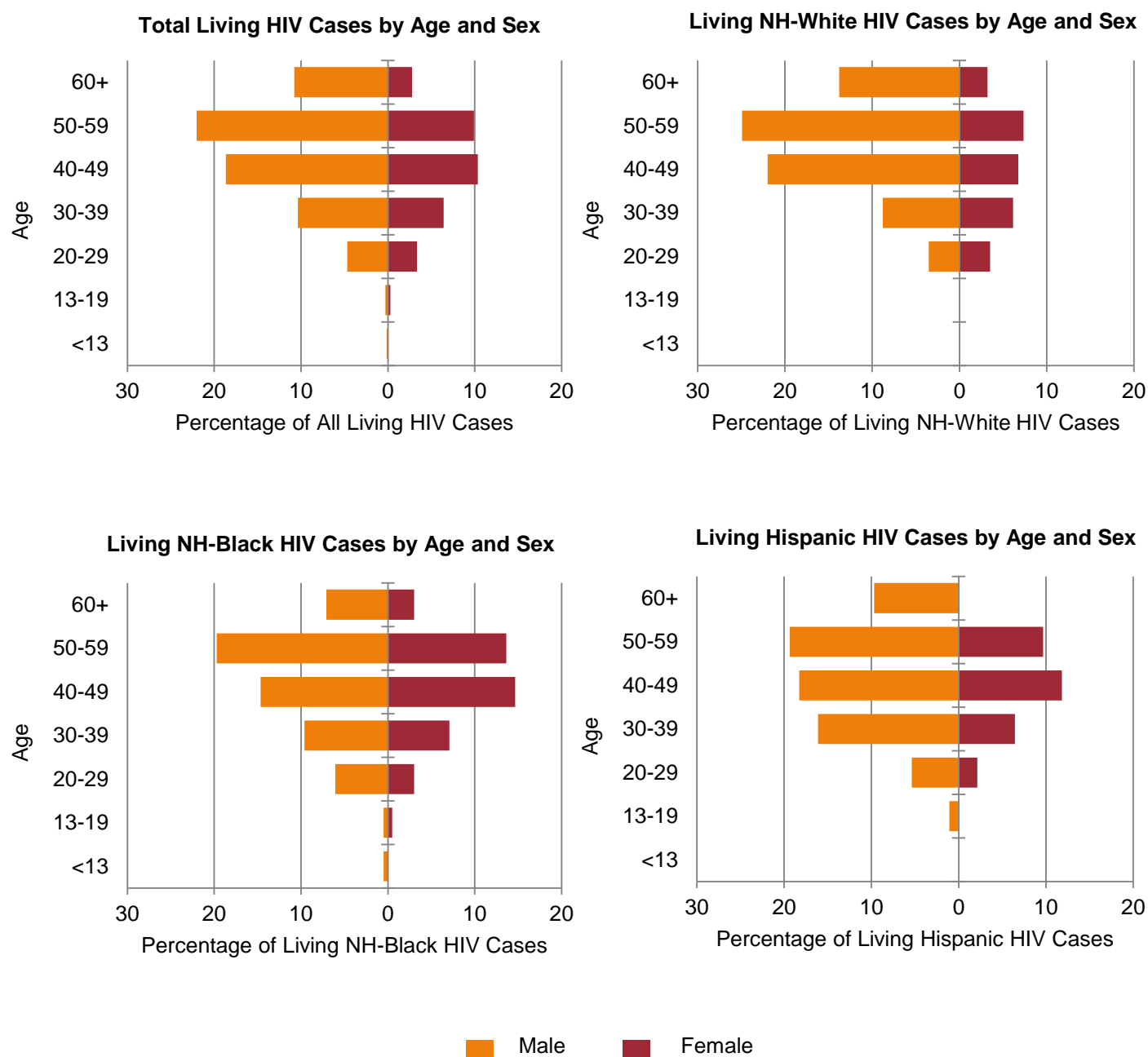
Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Section VI – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015



Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015

MALES						
AGE ON 12/31/2014		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	3,819	3,737	28,507	3,872	39,934
	Cases	0	1	0	0	1
	Rate	0.0	26.8	0.0	0.0	2.5
	Ratio (1 in X)	--	3,737	--	--	39,933
13-19	Population	1,864	2,615	17,588	1,729	23,797
	Cases	1	1	0	0	2
	Rate	53.6	38.2	0.0	0.0	8.4
	Ratio (1 in X)	1,864	2,615	--	--	11,898
20-29	Population	2,466	5,280	24,387	1,578	33,711
	Cases	***	12	13	***	32
	Rate	***	227.3	53.3	***	94.9
	Ratio (1 in X)	***	440	1,875	***	1,053
30-39	Population	2,902	4,659	22,585	1,513	31,659
	Cases	9	21	31	10	71
	Rate	310.1	450.7	137.3	660.9	224.3
	Ratio (1 in X)	322	221	728	151	445
40-49	Population	2,042	4,449	27,747	1,650	35,888
	Cases	9	31	80	8	128
	Rate	440.7	696.8	288.3	484.8	356.7
	Ratio (1 in X)	226	143	346	206	280
50-59	Population	1,124	3,001	31,782	1,134	37,041
	Cases	7	41	92	11	151
	Rate	622.8	1,366.2	289.5	970.0	407.7
	Ratio (1 in X)	160	73	345	103	245
60+	Population	762	1,889	43,470	1,114	47,235
	Cases	***	15	52	***	74
	Rate	***	794.1	119.6	***	156.7
	Ratio (1 in X)	***	125	835	***	638
TOTAL MALES BY RACE/ETHNICITY	Population	14,979	25,630	196,066	12,590	249,265
	Cases	32	122	268	37	459
	Rate	213.6	476.0	136.7	293.9	184.1
	Ratio (1 in X)	468	210	731	340	543

*** Data withheld due to low population and/or case counts

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015

FEMALES						
AGE ON 12/31/2014		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	3,575	3,591	26,786	3,621	37,572
	Cases	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0
	Ratio (1 in X)	--	--	--	--	--
13-19	Population	1,639	2,227	16,440	1,752	22,059
	Cases	0	1	0	1	2
	Rate	0.0	44.9	0.0	57.1	9.1
	Ratio (1 in X)	--	2,227	--	1,752	11,029
20-29	Population	2,048	2,739	23,424	1,851	30,062
	Cases	1	6	13	3	23
	Rate	48.8	219.1	55.5	162.1	76.5
	Ratio (1 in X)	2,048	456	1,801	617	1,307
30-39	Population	2,216	2,325	22,389	1,881	28,811
	Cases	3	15	23	3	44
	Rate	135.4	645.2	102.7	159.5	152.7
	Ratio (1 in X)	738	155	973	627	654
40-49	Population	1,868	2,516	28,196	1,752	34,332
	Cases	6	33	25	7	71
	Rate	321.2	1,311.6	88.7	399.5	206.8
	Ratio (1 in X)	311	76	1,127	250	483
50-59	Population	1,074	2,139	32,412	1,314	36,939
	Cases	3	31	26	8	68
	Rate	279.3	1,449.3	80.2	608.8	184.1
	Ratio (1 in X)	358	69	1,246	164	543
60+	Population	976	2,123	52,441	1,299	56,839
	Cases	0	6	11	2	19
	Rate	0.0	282.6	21.0	154.0	33.4
	Ratio (1 in X)	--	353	4,767	649	2,991
TOTAL FEMALES BY RACE/ETHNICITY	Population	13,396	17,660	202,088	13,470	246,614
	Cases	13	92	98	24	227
	Rate	97.0	521.0	48.5	178.2	92.0
	Ratio (1 in X)	1,030	191	2,062	561	1,086

*** Data withheld due to low population and/or case counts

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Section VII – HIV Exposure Category

Table 18 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure	18	100.0%	15	83.3%	2	11.1%	17	94.4%	485
Men who have Sex with Men (MSM)	12	66.7%	10	83.3%	***	***	11	91.7%	584
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	3		2	66.7%	1	33.3%	3	100.0%	466
TOTAL	21		17	81.0%	3	14.3%	20	95.2%	466

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure	14	100.0%	11	78.6%	***	***	13	92.9%	584
Men who have Sex with Men (MSM)	12	85.7%	10	83.3%	***	***	11	91.7%	584
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--	--	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	2		2	100.0%	1	50.0%	***	100.0%	305
TOTAL	16		13	81.3%	2	12.5%	15	93.8%	485

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure	***	***	***	***	***	***	***	***	***
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	1		0	0.0%	0	0.0%	1	100.0%	605
TOTAL	5		4	80.0%	1	20.0%	5	100.0%	319

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 19 – Adult/Adolescent AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	5	100.0%	4.3	60.0%
Men who have Sex with Men (MSM)	***	***	***	***
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	--	--
No Reported Exposure	2		0.7	50.0%
TOTAL	7		3.3	57.1%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	3	100.0%	6.8	33.3%
Men who have Sex with Men (MSM)	***	***	***	***
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	--	--
No Reported Exposure	2		0.7	50.0%
TOTAL	5		4.4	40.0%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	2	100.0%	0.6	100.0%
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	--	--
No Reported Exposure	0		--	--
TOTAL	2		0.6	100.0%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	227	100.0%	256	100.0%	483	100.0%
Men who have Sex with Men (MSM)	132	58.1%	109	42.6%	241	49.9%
Injection Drug Users (IDU)	24	10.6%	42	16.4%	66	13.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	2	0.9%	16	6.3%	18	3.7%
Heterosexual Exposure (HET)	69	30.4%	88	34.4%	157	32.5%
Other Exposures	0	0.0%	1	0.4%	1	0.2%
No Reported Exposure*	133		60		193	
TOTAL	360		316		676	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	166	100.0%	183	100.0%	349	100.0%
Men who have Sex with Men (MSM)	132	79.5%	109	59.6%	241	69.1%
Injection Drug Users (IDU)	10	6.0%	25	13.7%	35	10.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	2	1.2%	16	8.7%	18	5.2%
Heterosexual Exposure (HET)	22	13.3%	33	18.0%	55	15.8%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
No Reported Exposure	71		35		106	
TOTAL	237		218		455	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	61	100.0%	73	100.0%	134	100.0%
Injection Drug Users (IDU)	14	23.0%	17	23.3%	31	23.1%
Heterosexual Exposure (HET)	47	77.0%	55	75.3%	102	76.1%
Other Exposures	0	0.0%	1	1.4%	1	0.7%
No Reported Exposure*	62		25		87	
TOTAL	123		98		221	

* Includes 2 HIV cases without AIDS and 1 HIV cases with AIDS with Presumed Female Heterosexual exposure

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	32	100.0%	139	100.0%	261	100.0%
Men who have Sex with Men (MSM)	14	43.8%	50	36.0%	155	59.4%
Injection Drug Users (IDU)	***	***	23	16.5%	29	11.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	5	3.6%	11	4.2%
Heterosexual Exposure (HET)	15	46.9%	61	43.9%	66	25.3%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
No Reported Exposure*	12	27.3%	70	33.5%	102	28.1%
TOTAL	44	100.0%	209	100.0%	363	100.0%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	24	100.0%	91	100.0%	203	100.0%
Men who have Sex with Men (MSM)	14	58.3%	50	54.9%	155	76.4%
Injection Drug Users (IDU)	***	***	15	16.5%	15	7.4%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	5	5.5%	11	5.4%
Heterosexual Exposure (HET)	7	29.2%	21	23.1%	22	10.8%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
No Reported Exposure	7		29		64	
TOTAL	31		120		267	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	8	100.0%	48	100.0%	58	100.0%
Injection Drug Users (IDU)	0	0.0%	8	16.7%	14	24.1%
Heterosexual Exposure (HET)	8	100.0%	40	83.3%	44	75.9%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
No Reported Exposure*	5		41		38	
TOTAL	13		89		96	

* Includes 3 non-Hispanic black cases with Presumed Female Heterosexual exposure

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	483	282	58.4%	565	8.2%	9.9%	20.2%	61.7%
Men who have Sex with Men (MSM)	241	137	56.8%	584	5.8%	8.8%	19.0%	66.4%
Injection Drug Users (IDU)	66	39	59.1%	442	17.9%	5.1%	35.9%	41.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	18	10	55.6%	393	10.0%	30.0%	20.0%	40.0%
Heterosexual Exposure (HET)	157	95	60.5%	617	7.4%	11.6%	15.8%	65.3%
Other Exposures	1	1	100.0%	536	0.0%	0.0%	0.0%	100.0%
No Reported Exposure*	193	76	39.4%	628	7.9%	3.9%	15.8%	72.4%
TOTAL	676	358	53.0%	584	8.1%	8.7%	19.3%	64.0%

* Includes 3 cases with Presumed Female Heterosexual exposure

Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	483	286	59.2%	89.5%	7,195
Men who have Sex with Men (MSM)	241	135	56.0%	89.6%	8,564
Injection Drug Users (IDU)	66	40	60.6%	87.5%	22,050
Men who have Sex with Men and Inject Drugs (MSM/IDU)	18	11	61.1%	100.0%	--
Heterosexual Exposure (HET)	157	99	63.1%	88.9%	4,571
Other Exposures	1	1	100.0%	100.0%	--
No Reported Exposure*	193	73	37.8%	93.2%	3,260
TOTAL	676	359	53.1%	90.3%	5,782

* Includes 3 cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

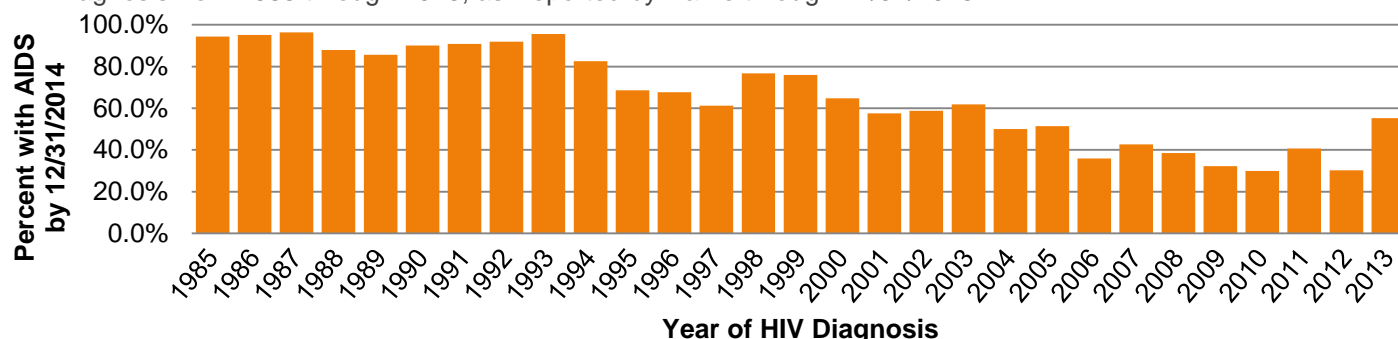
Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2013, Reported through 12/31/2015

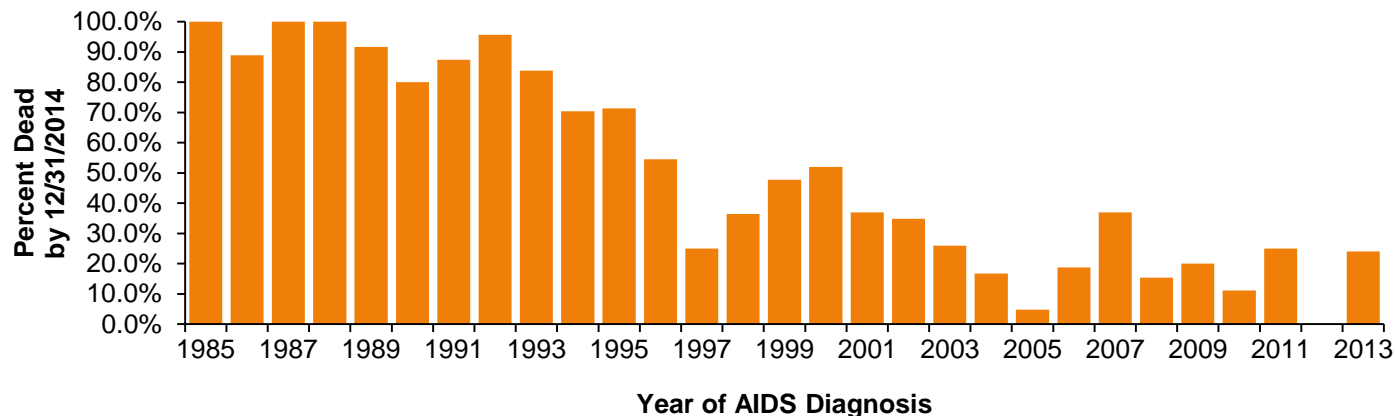
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2014 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2014, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2013, as Reported by Name through 12/31/2015.



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	8	8	100.0%	4.0	62.5%	62.5%	62.5%	75.0%
1985	18	17	94.4%	7.2	22.2%	27.8%	44.4%	66.7%
1986	21	20	95.2%	4.5	47.6%	52.4%	57.1%	81.0%
1987	28	27	96.4%	4.9	42.9%	46.4%	57.1%	78.6%
1988	25	22	88.0%	5.5	40.0%	44.0%	56.0%	60.0%
1989	42	36	85.7%	3.0	47.6%	52.4%	64.3%	78.6%
1990	30	27	90.0%	4.7	23.3%	36.7%	63.3%	76.7%
1991	44	40	90.9%	3.3	50.0%	56.8%	70.5%	77.3%
1992	37	34	91.9%	3.3	43.2%	54.1%	75.7%	81.1%
1993	45	43	95.6%	2.6	57.8%	66.7%	80.0%	86.7%
1994	23	19	82.6%	2.0	56.5%	69.6%	69.6%	78.3%
1995	35	24	68.6%	3.2	40.0%	42.9%	45.7%	65.7%
1996	37	25	67.6%	2.2	43.2%	45.9%	56.8%	64.9%
1997	31	19	61.3%	3.6	35.5%	38.7%	41.9%	54.8%
1998	30	23	76.7%	1.1	63.3%	66.7%	70.0%	73.3%
1999	29	22	75.9%	2.8	48.3%	48.3%	65.5%	65.5%
2000	34	22	64.7%	2.2	44.1%	44.1%	55.9%	58.8%
2001	40	23	57.5%	1.7	37.5%	40.0%	50.0%	57.5%
2002	46	27	58.7%	1.5	39.1%	39.1%	54.3%	58.7%
2003	34	21	61.8%	1.9	41.2%	47.1%	50.0%	58.8%
2004	32	16	50.0%	0.4	46.9%	46.9%	50.0%	50.0%
2005	37	19	51.4%	0.7	40.5%	45.9%	48.6%	--
2006	39	14	35.9%	0.7	28.2%	33.3%	35.9%	--
2007	54	23	42.6%	0.5	38.9%	38.9%	42.6%	--
2008	70	27	38.6%	1.4	27.1%	28.6%	34.3%	--
2009	31	10	32.3%	0.9	25.8%	25.8%	--	--
2010	40	12	30.0%	0.2	27.5%	27.5%	--	--
2011	32	13	40.6%	0.1	40.6%	40.6%	--	--
2012	33	10	30.3%	0.5	27.3%	27.3%	--	--
2013	29	16	55.2%	0.2	51.7%	--	--	--
TOTAL	1,034	659	63.7%	2.6	40.4%	44.0%	52.1%	58.4%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2013, Reported through 12/31/2015

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2014 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2014, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2013, as Reported by Name through 12/31/2015

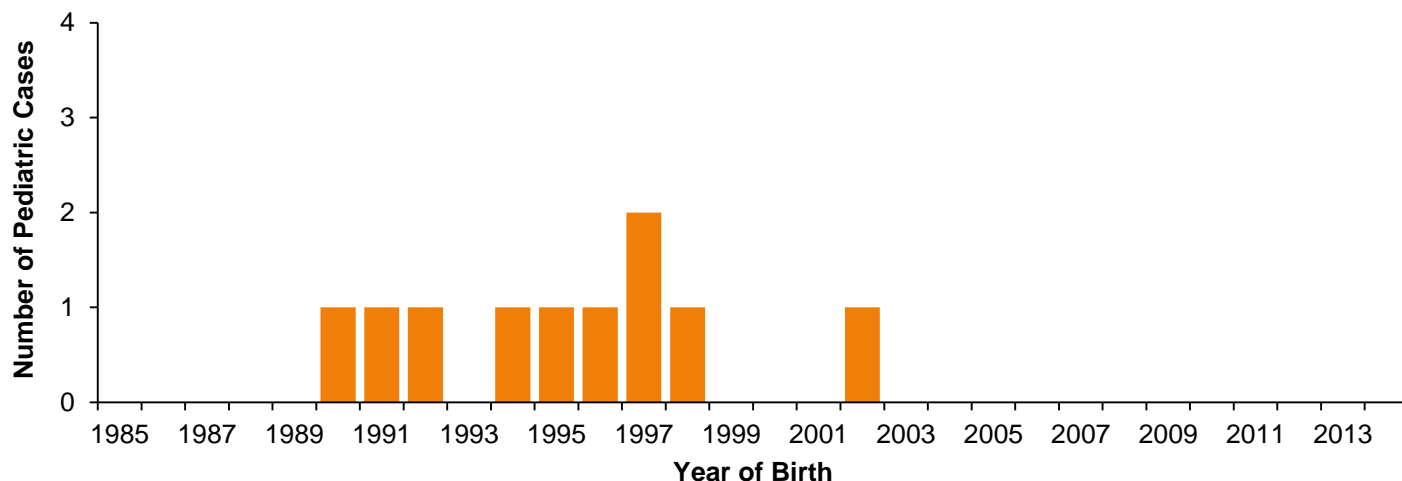


YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	5	5	100.0%	1.5	40.0%	20.0%	20.0%	0.0%
1985	3	3	100.0%	1.0	66.7%	0.0%	0.0%	0.0%
1986	9	8	88.9%	0.7	22.2%	11.1%	11.1%	11.1%
1987	13	13	100.0%	1.2	38.5%	23.1%	7.7%	0.0%
1988	13	13	100.0%	2.1	69.2%	23.1%	15.4%	0.0%
1989	24	22	91.7%	3.2	70.8%	45.8%	25.0%	12.5%
1990	5	4	80.0%	5.0	80.0%	60.0%	40.0%	40.0%
1991	32	28	87.5%	2.7	75.0%	53.1%	31.3%	18.8%
1992	23	22	95.7%	4.3	78.3%	60.9%	26.1%	21.7%
1993	37	31	83.8%	3.7	75.7%	59.5%	29.7%	24.3%
1994	27	19	70.4%	3.0	81.5%	44.4%	44.4%	37.0%
1995	35	25	71.4%	6.4	80.0%	74.3%	65.7%	48.6%
1996	22	12	54.5%	6.8	86.4%	86.4%	81.8%	59.1%
1997	16	4	25.0%	4.7	100.0%	93.8%	87.5%	75.0%
1998	22	8	36.4%	7.0	95.5%	95.5%	86.4%	68.2%
1999	23	11	47.8%	5.8	95.7%	87.0%	82.6%	56.5%
2000	25	13	52.0%	6.2	84.0%	84.0%	72.0%	68.0%
2001	27	10	37.0%	4.0	96.3%	92.6%	77.8%	63.0%
2002	23	8	34.8%	2.7	82.6%	82.6%	69.6%	65.2%
2003	27	7	25.9%	4.5	88.9%	88.9%	88.9%	74.1%
2004	18	3	16.7%	5.4	100.0%	100.0%	94.4%	83.3%
2005	21	1	4.8%	0.2	95.2%	95.2%	95.2%	--
2006	16	3	18.8%	4.1	93.8%	93.8%	87.5%	--
2007	27	10	37.0%	3.7	88.9%	88.9%	81.5%	--
2008	26	4	15.4%	1.5	88.5%	88.5%	88.5%	--
2009	20	4	20.0%	3.3	95.0%	95.0%	--	--
2010	18	2	11.1%	1.2	94.4%	88.9%	--	--
2011	16	4	25.0%	1.8	87.5%	87.5%	--	--
2012	13	0	0.0%	--	100.0%	100.0%	--	--
2013	25	6	24.0%	0.1	76.0%	--	--	--
TOTAL	611	303	49.6%	3.8	83.6%	75.0%	65.0%	55.3%

Section IX – Pediatric Cases

Figure 12 – Trends in Pediatric HIV Cases, 1985-2014, Reported through 12/31/2015

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2014, as Reported by Name through 12/31/2015



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	3	0	0	0	
1985	0	1	0	0	1
1986	0	1	0	0	2
1987	0	0	0	0	2
1988	0	1	0	0	3
1989	0	0	1	0	3
1990	1	0	0	0	3
1991	1	1	1	1	4
1992	1	1	1	0	5
1993	0	1	1	0	6
1994	1	0	1	2	4
1995	1	1	0	0	5
1996	1	1	1	1	5
1997	2	2	0	0	7
1998	1	0	0	0	7
1999	0	0	0	0	7
2000	0	0	0	0	7
2001	0	0	0	0	7
2002	1	0	0	0	7
2003	0	0	0	0	7
2004	0	0	0	0	7
2005	0	0	1	0	6
2006	0	0	0	0	6
2007	0	1	0	0	7
2008	0	2	0	0	9
2009	0	0	0	0	9
2010	0	0	0	0	9
2011	0	0	0	0	9
2012	0	0	0	1	9
2013	0	0	0	0	10
2014	0	0	0	0	10
TOTAL	13	13	7	5	

Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Allegany	2	20.0%
Frederick	6	60.0%
Garrett	0	0.0%
Washington	2	20.0%
TOTAL	10	100.0%

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	4	40.0%
Female	6	60.0%
TOTAL	10	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	1	10.0%
Non-Hispanic	9	90.0%
American Indian/ Alaska Native, only	1	10.0%
Asian, only	0	0.0%
Black, only	5	50.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	3	30.0%
Multiracial/Other	0	0.0%
TOTAL	10	100.0%

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Confirmed Perinatal HIV Transmissions: Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

Current Residence 2009-2015: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-12/31/2015.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Last Known Residence: Jurisdiction of residence from the most recent laboratory test or case report, reported through 12/31/2015.

Live Births: Babies born alive in the general population.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median: The measure of central location, which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

On ART: Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Percent with AIDS: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal HIV Transmission Rate: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

Population: Population estimate for 7/1/2014.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported Perinatal HIV Exposures: Reported babies born to an HIV positive mother during the specified year.

Retained in HIV Care: HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31st of the specified year.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Women of Childbearing Age Total Living HIV cases: Reported HIV diagnoses among women of childbearing age (13-49 years old) on December 31st of the specified year